

Fig. 6 is various EPO amino acid sequences. SY(SEQ ID NO:8), SH(SEQ ID NO:10), HE(SEQ ID NO:11), and JM(SEQ ID NO:9) are the EPO amino acid sequences cloned by the present invention, and AM(SEQ ID NO:7) and GI(SEQ ID NO:7) are the EPO amino acid sequences which have been already reported. The abbreviation of the amino acids are as follows:

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cont

A: alanine	R: arginine	N: asparagine	D: aspartic acid
C: cysteine	Q: glutamine	E: glutamic acid	H: histidine
I: isoleucine	L: leucine	K: lysine	M: methionine
F: phenylalanine	P: proline	S: serine	
T: threonine	W: tryptophan	Y: tyrosine	V: valine

On page 14, lines 25-26, please replace the sentences as follows:

32
Primer #25 (sense, SEQ ID NO:12): GAAGCTGATAAGCTGATAACC

Primer #33 (antisense, SEQ ID NO:13): TGTGACATCCTTAGATCTCA

On page 15, lines 10-13, please replace the sentences as follows:

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Primer #12 (sense, SEQ ID NO:14):

CAAGCTTCGGAGATGGGGTGCACGAATGTCCTGCCTGGCTGTGGC

Primer #9 (antisense, SEQ ID NO:15):

CAAGCTTTCATCTGTCCCCTGTCCTGC

After page 26, please delete the paper copy of the Sequence Listing submitted by paper dated March 14, 2001, and add the enclosed paper copy of the Sequence Listing.

IN THE CLAIMS

~~Please cancel claims 2, 6, 8, 12 and 16.~~

Please amend the claims as follows:

1. (Amended) An EPO production system comprising:

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a DNA encoding EPO;

a vector comprising an HCMV MIEP promoter for receiving the DNA; and